



Vainio-Kaila, Joni Pauli Mikael

Student: Vainio-Kaila, Joni Pauli Mikael
Date of birth: 13.01.1994
Registration with the university: Autumn semester 2013
Student number: 509023

Degree: Bachelor of Science
Degree date: 18.04.2019
Degree programme: Degree Programme in Mathematics and Statistics
Major subject: Mathematics

Study modules included in a degree

	C	Grade	Date
Bachelor of Science	180	PASS	18.04.2019
Computer Science, Basic Studies	26	5	08.04.2019
Other Studies for Bachelor's Degree	10	PASS	09.04.2019
Physics for Teachers, Basic and Intermediate Studies	64	5	08.05.2018
Studies in Mathematics for Bachelor Degree	80	5	04.04.2019

Courses included in a degree

Computer Science, Basic Studies	26	5	08.04.2019
Basic Course on Algorithms and Programming	5	5	19.12.2017
Basic Course on Algorithms and Programming, Project	1	PASS	19.12.2017
Basics of Computer Science I	3	5	27.10.2017
Basics of Computer Science I, Exam	2	5	27.10.2017
Basics of Computer Science II	5	5	25.04.2018
Basics of Object Oriented Programming	5	5	28.02.2018
Basics of Object Oriented Programming, Project	2	PASS	11.04.2018
Digital Skills for Study and Work: Digitalization	1	PASS	06.11.2017
Digital Skills for Study and Work: Information and Cyber Security	1	PASS	09.11.2017
Digital Skills for Study and Work: Office Applications	1	PASS	18.10.2017
Other Studies for Bachelor's Degree	10	PASS	09.04.2019
English: Reading Comprehension, Natural Sciences	2	PASS	03.10.2017
<i>RPL Recognition of Prior Learning</i> <i>(yo-todistus 2013)</i>			
Finnish Academic Writing, Faculty of Science and Engineering	1	PASS	23.05.2018
Finnish Written Communication, Faculty of Science and Engineering	2	5	22.03.2018
Mathematical Writing	1	PASS	07.06.2017
Swedish: Science and Engineering, Oral Skills	2	4	03.12.2015
Swedish: Science and Engineering, Written Skills	2	4	03.12.2015
Physics for Teachers, Basic and Intermediate Studies	64	5	08.05.2018
Astronomy 1	5	5	03.05.2018

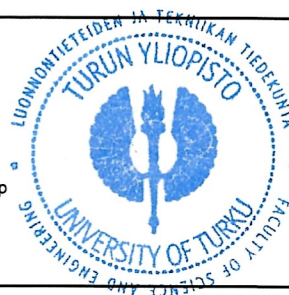


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Electricity and Magnetism I	8	5	13.12.2016
History of Chemistry and Physics	2	4	15.03.2017
Laboratory Physics I	4	5	21.04.2017
Laboratory Physics IIA	5	5	13.04.2018
Mathematical Methods in Physics I	4	5	18.04.2016
Mathematical Methods in Physics II	4	5	31.05.2016
Mechanics	4	5	01.11.2016
Physics 1	4	5	23.10.2015
Physics 2	4	5	15.12.2015
Physics 3	5	5	03.03.2016
Physics 4	5	5	19.05.2016
Radiation and Safety	3	5	25.04.2016
Software Tool in Physics	3	PASS	08.05.2018
Thermodynamics	4	5	13.01.2017
Studies in Mathematics for Bachelor Degree	80	5	04.04.2019
Bachelor's Thesis	8	PASS	11.01.2019
<i>Toisen asteen rekursiivisen lukujonon positiivisuusongelma</i>			
Basic Course in Probability	4	5	21.12.2016
Basics of Algebra I	5	5	13.04.2015
Calculus I	8	5	16.12.2014
Calculus II	8	5	22.04.2015
Combinatorics I	4	5	28.02.2019
Degree qualifying examination for Bachelor's Degree	0	PASS	10.01.2019
Differential Equations	5	5	27.05.2015
Essay in Mathematics	2	PASS	28.03.2018
Functions of Several Variables I	4	5	19.10.2015
Functions of Several Variables II	4	5	16.12.2015
Geometry	5	5	09.01.2017
History of Mathematics	2	5	04.04.2019
Linear Algebra	9	5	15.12.2014
Logic	4	5	27.02.2017
Number Theory	4	5	12.11.2018
Numerical Analysis	4	4	24.10.2016

Milka Liikala
Ex officio

Stamp



Credits (C) are based on the European credit Transfer System (ECTS). The Bachelor's degree consists of 180 credits and the Master's degree of 120 credits. The only exception is the Master of Psychology degree, which consists of 150 credits. The extent of the Licentiate in Medicine degree is 360 credits and the Licentiate in Dentistry degree 300, or 330 credits. The normative yearly amount of studies is 60 credits, thus the Bachelor's degree can be completed in three academic years and the Master's degree in two.

Lectures, assignments, and other forms of instruction as well as independent study are included in the approximate amount of 27 hours required for one credit.



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Student: Vainio-Kaila, Joni Pauli Mikael
Date of birth: 13.01.1994
Registration with the university: Autumn semester 2013
Student number: 509023

Degree: Master of Science
Degree date: 21.05.2021
Degree programme: Degree Programme in Mathematics
Major subject: Mathematics

Study modules included in a degree	C	Grade	Date
Master of Science	124	PASS	21.05.2021
Mathematics, Advanced Studies	100	5	06.05.2021
Other Studies for Master's Degree	24	PASS	06.05.2021
Subject Teacher: Mathematics, 120 credits	0	PASS	06.05.2021
Subject Teacher: Physics, 60 credits	0	PASS	06.05.2021
 Courses included in a degree			
Mathematics, Advanced Studies	100	5	06.05.2021
Algebra	10	5	30.04.2020
Algebraic Structures in Cryptography	5	5	23.10.2020
Coding Theory I	5	5	18.12.2019
Coding Theory II	5	4	23.03.2020
Combinatorics (Second Course)	5	5	08.12.2020
Convolutional Codes	5	5	02.03.2020
Cryptography I	5	5	27.02.2020
Cryptography II	5	5	04.05.2020
Degree Qualifying Examination for Master's Degree	0	PASS	19.04.2021
Finite Fields	5	5	29.04.2019
Foundations of Machine Learning I	5	5	22.10.2020
Foundations of Machine Learning II	5	5	16.12.2020
Group Theory	5	5	09.03.2021
Master's Thesis	30	4	19.04.2021
<i>Polyominojen laskeminen</i>			
Master's Thesis Seminar	5	PASS	06.05.2021
Other Studies for Master's Degree	24	PASS	06.05.2021
Basics of Algebra II	4	5	29.05.2019
Data Structures and Algorithms	5	5	29.10.2018
Digital Skills for Study and Work: Unix	1	PASS	03.11.2017
Fundamentals of Databases 1	5	5	25.02.2019

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Techniques for Distributed Systems and Cloud Services	4	5	26.02.2019
Web and mobile programming	5	5	21.05.2019
Subject Teacher: Mathematics, 120 credits	0	PASS	06.05.2021
Subject Teacher: Physics, 60 credits	0	PASS	06.05.2021

Sanni Alanen
Ex officio

Stamp



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Lectures, assignments, and other forms of instruction as well as independent study are included in the approximate amount of 27 hours required for one credit.

	GRADE	ECTS	Thesis
Excellent	5	A	L
Very good	4	B	E, M
Good	3	C	C
Satisfactory	2	D	N, B
Sufficient	1	E	A

The courses and modules are evaluated with the following grades: Excellent, Very good, Good, Satisfactory or Sufficient. Pass is also used as a grade in the evaluation. Failed courses are not included in the transcript of a degree.

Theses are graded on a Latin scale: Laudatur (highest), Eximia Cum Laude Approbatur, Magna Cum Laude Approbatur, Cum Laude Approbatur, Non Sine Laude Approbatur, Lubenter Approbatur, and Approbatur – or with the grades described above.

Theses might also have been graded with the verbal grades: with honours (KH) or with distinction (KUN).